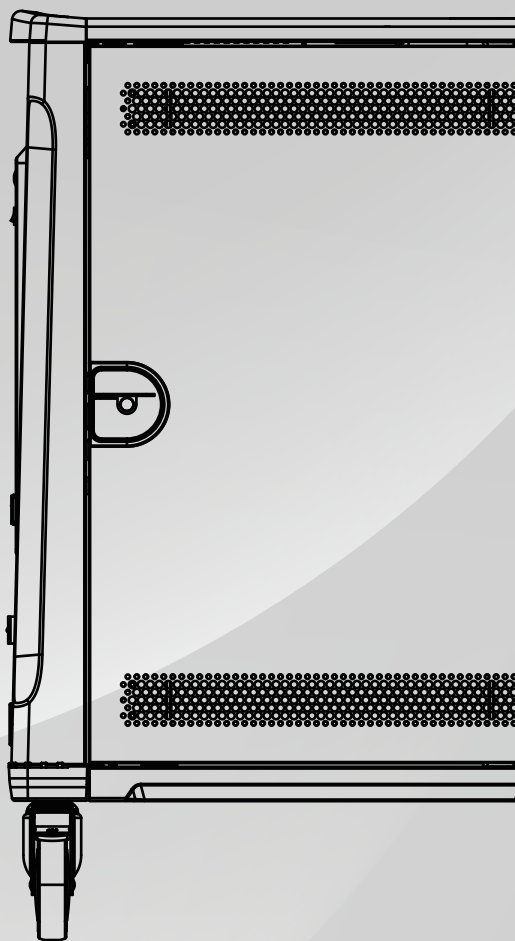


Rhino Charging Cart

User Manual for CT-S50 / S30



CT-S50/S30



LumensTM

www.MyLumens.com



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Chapter 1 Safety Instructions

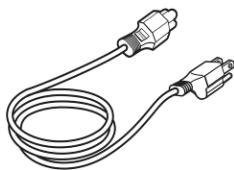
WARNING:

This cart must only be used for its intended purpose in accordance with these operating instructions. Failure to observe the following notices can result in free, injury death by electric shock or equipment damage.

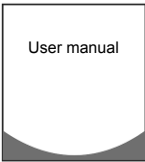
<div></div> <div>ELECTRIC SHOCK Operate Carefully</div>	<ul style="list-style-type: none">● Do not unplug by pulling on the cable.● Do not use cables that are damaged.● Do not plug the cable into an extension cable.● Do not unplug this cart from the outlet when your hands are wet.● Before moving the cart, make sure the power cord is wrapped and secured within the cord wrap compartment.
<div></div>	<ul style="list-style-type: none">● Do not allow anyone to sit, stand, or climb on the cart.● This cart should only be moved or operated by an adult.● Keep the cart away from water.● Move the cart slowly.● Keep the caster locked when the cart is not in transit.● Keep the ventilation holes unblocked for air circulation.● To prevent muscle strain, please push rather than pull on the handles when moving the cart.● Do not block the ventilation holes when charging.● Do not store or place liquids on top or within the cart.● Do not use TV or monitor on top of cart.● Do not connect the power strip to an external power outlet as it may damage the equipment due to electrical current overload.● Although this cart is designed to support the transport of equipment within a school campus, it is not designed for outdoor use.● Turn power switch to the off position before plugging in or unplugging the electrical units.● Do not move the cart by pulling the power cord.● Do not plug the unit in if the switch, receptacle(s) or power cord has been damaged.● Although this cart is designed to support the transport of equipment within a school campus, it is not designed for outdoor use.● Turn power switch to the off position before plugging in or unplugging the electrical units.● Do not move the cart by pulling the power cord.● Do not plug the unit in if the switch, receptacle(s) or power cord has been damaged.

Chapter 2 Product Description

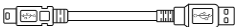
Power cord



User Manual

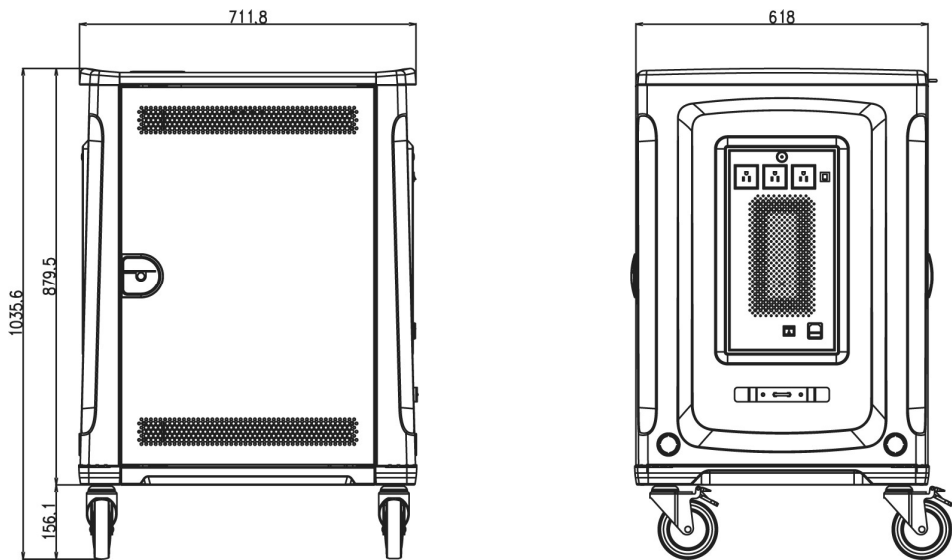


USB cable



Chapter 3 Product Appearance Description

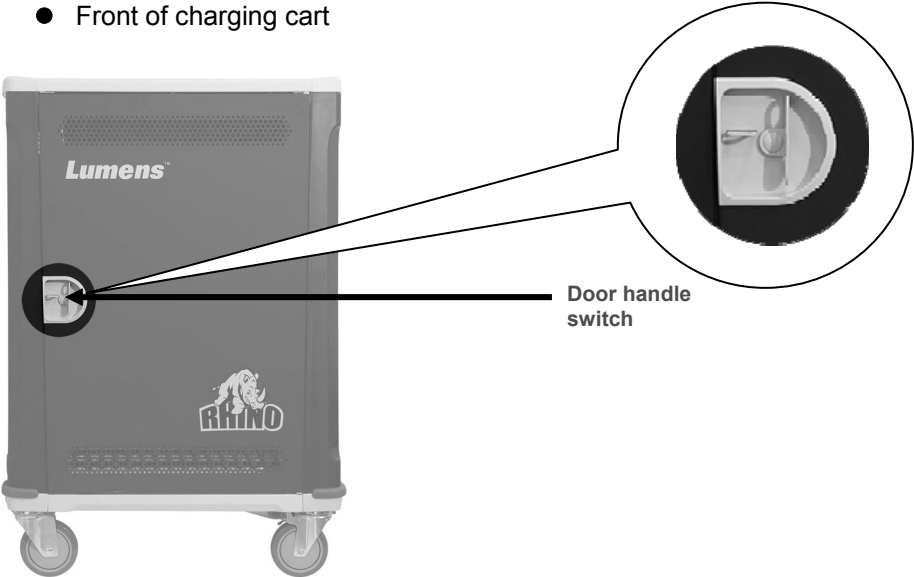
3.1 Dimension



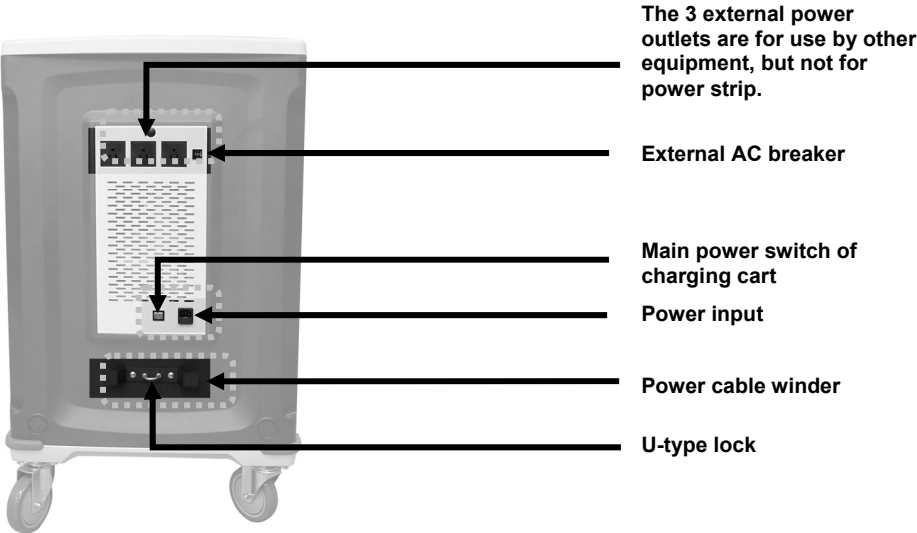
Item	CT-S30	CT-S50
Power Input	AC 100V-120V,50/60Hz, 12A	AC 100V-120V,50/60Hz, 12A
Power Output	AC 100V-120V,50/60Hz, 4A	AC 100V-120V,50/60Hz, 4A
USB port output	DC 5V, 2.4A	DC 5V, 2.4A
Size (W x D x H)	28.03" x 24.33" x 40.75" (711.8 x618x1035.6mm)	28.03" x 24.33" x 40.75" (711.8 x618x1035.6mm)

3.2 Appearance description

- Front of charging cart



- Right side of charging cart



- Back of charging cart



U-type lock



Door handle switch



Anti-winding

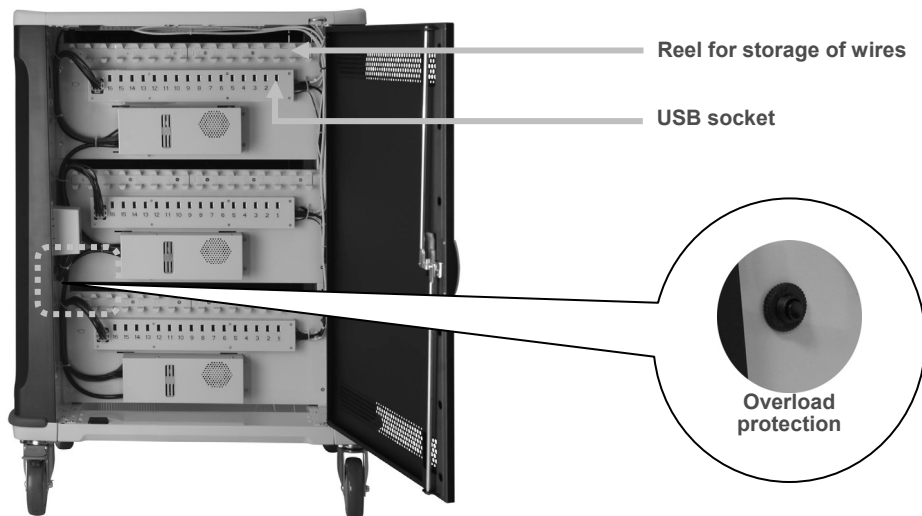
- Internal front of charging cart



- Storage compartments

- Slot dimension: 12.2" x 10.3" x 0.78" (310 mm x 262mm x 19.7 mm)
- Quantity of storage compartments for CT-S30: 16 compartments each layer may accommodate up to 32 tablets.
- Quantity of storage compartments for CT-S50: 16 compartments each layer may accommodate up to 48 tablets

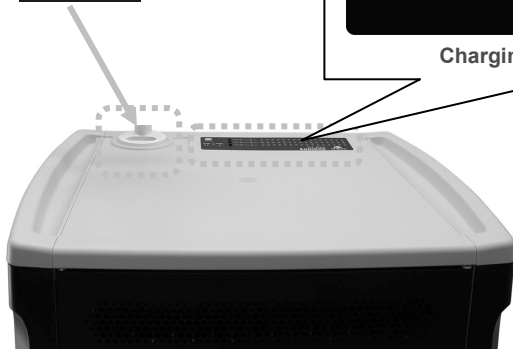
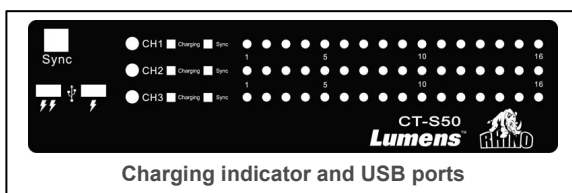
- Internal back of charging cart



- Panel of charging cart

A tablet arm installation hole for up to 9" ~11" tablet arm (optional)

If there is a need to install tablet arm, please refer to [CT-I30 installation instructions](#).

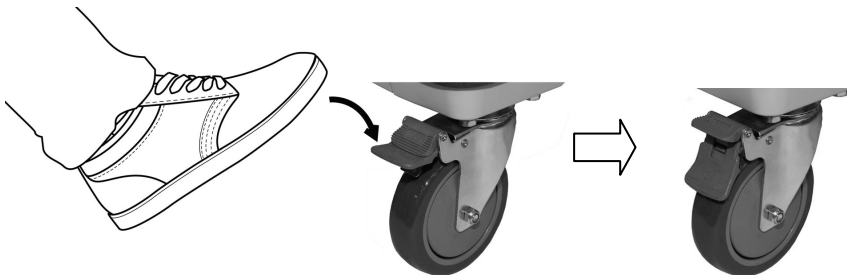


Chapter 4 Instruction for installation

4.1 Park the charging cart

- Prior to starting the equipment installation and connecting the power cord, please lock the charging cart to avoid danger caused by sliding.
- Press down the switch "ON" on the anti-winding cover to park the cart.

▼Lock the wheel



4.2 Connect the power cord

- Connect the power cord to the power input on the right side
- [Note]** Do not connect the power supply to the extension cord, to avoid the glitch of the peripheral products

4.3 Install the machine

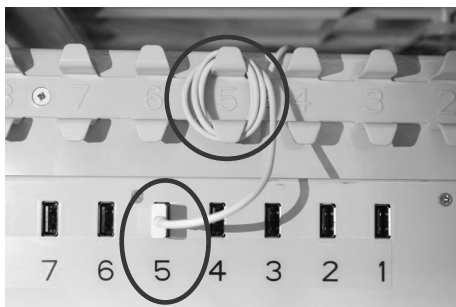
This product can be used for charging tablets and synchronization of iPad. The installation method is as follows:

- Fix the USB cable in the cable slot and leave a short section of cable available for connection.



- Place the tablet into the storage compartment and connect with USB cable.

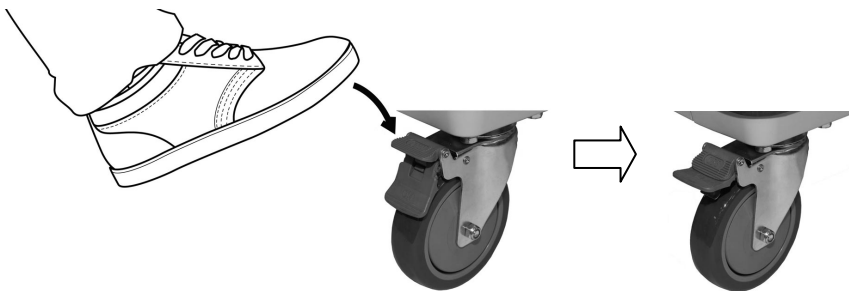
- Organize the cables: Organize the cables to be stored in the back of the charging cart at the location corresponding to the storage compartment used.



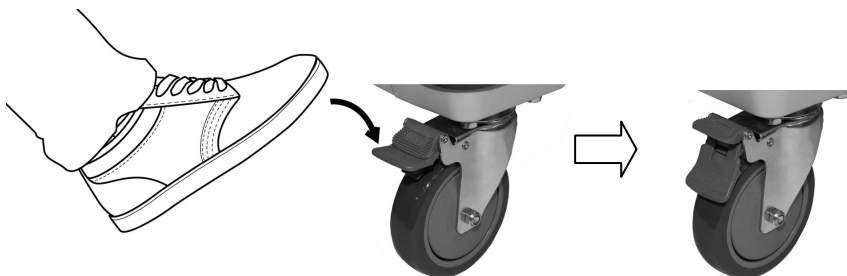
4.4 Position the charging cart

- After the equipment installation is completed, release the locked wheels. Move the charging cart to the selected location, and lock the wheels again. Press down the switch “OFF” on the anti-winding cover to release the lock.

▼Release the lock

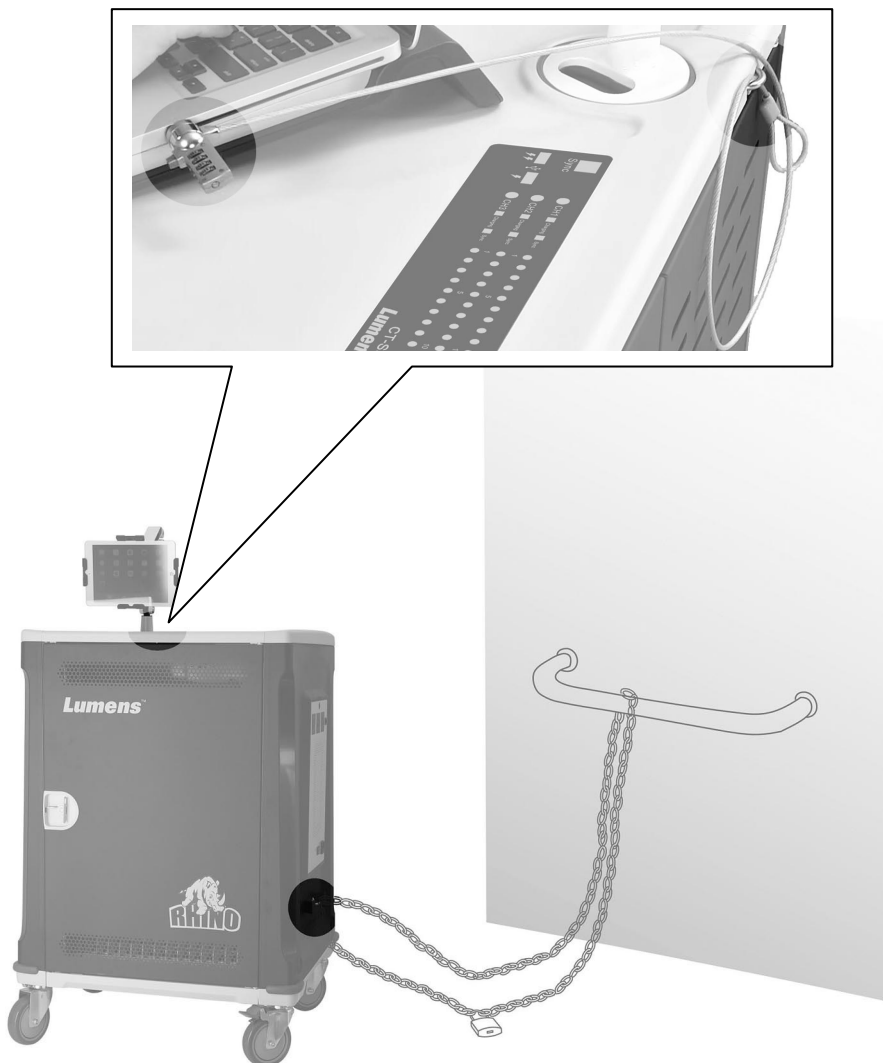


▼Lock the wheel



4.5 Use the U-type lock

The cart has U-type locks for retaining the cart fixedly and the equipment on the panel separately. Chains and anti-theft security locks can be purchased if needed.

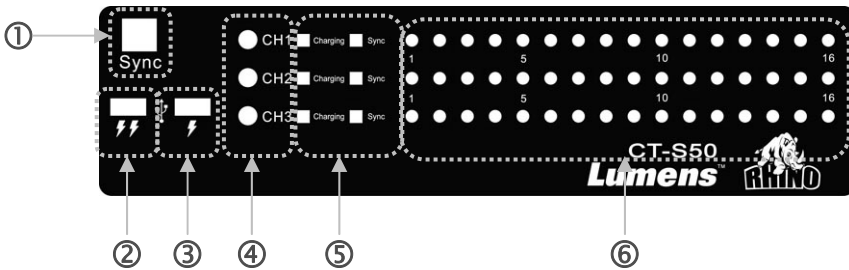


Chapter 5 Start Using

- Place the tablet PC into the storage compartment and connect with USB cable.
- Turn on the main power to start charging.

[Note] Confirm the indicator is under charging mode (Charging indicator is on)

Chapter 6 Indicator Description



1. SYNC: USB port connected with computer for data synchronization
2. USB Port 1: Support 5 V, 2.4 A
3. USB Port 2: Support 5 V, 1.5 A
4. CH1/CH2/CH3: Switch charging modes **■** or synchronization modes **■**
5. Charging/Sync: Charging mode or synchronization mode indicator
6. 1 ~ 16: Charging indicator
 - No light: Devices not connected
 - Green light: Charging completed
 - Red light: Charging is ongoing
 - Red and green indicators alternately flicker: Under synchronization

Chapter 7 How to synchronize iPad

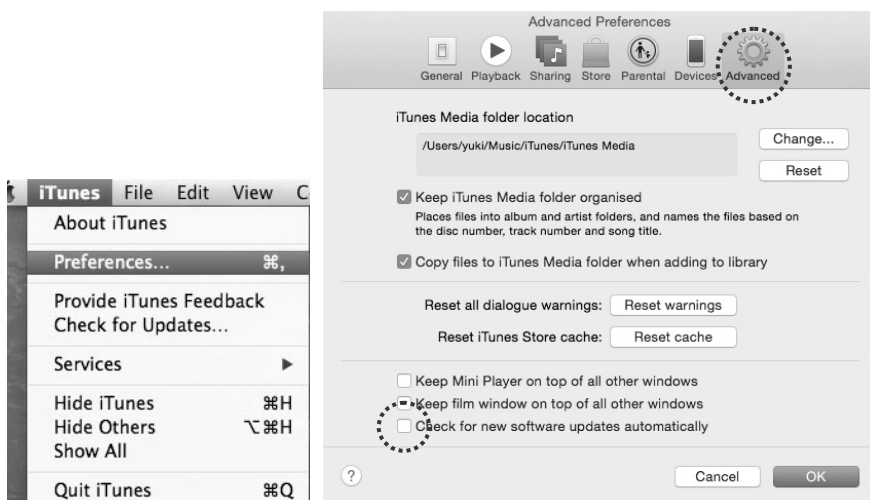
[Note] Before starting the synchronization of iPad for the first time, please first finish the iTunes setup on the computer.

7.1 Setup before use

7.1.1 iTunes setup:

- Open the **iTunes** program on laptop.
- Select the **[Preferences]** in the **[iTunes]** menu, click the **[Advanced]** icon, and cancel the **[Check for new software updates automatically]**.

[Note] Cancel the checked **[check for new software....]** to prevent the interruption of the synchronization by the reminder for automatic update check. To switch to manual method to upgrade iOS, please refer to **7.3 upgrade instructions for iOS**.



- Then click the **[Devices]** icon, confirm that the **[Prevent iPods, iPhones, and iPads from.....]** is not checked, and then click **[OK]** to save.



7.1.2 Connect the Laptop

- Connect the laptop installed with iTunes.
- Place the laptop on the charging cart, connect the power cord and USB cable of the charging cart to connect the laptop to the charging cart, and to set the iPad and synchronize.

7.1.3 iPad connection:

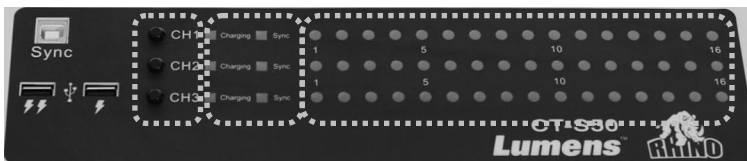
- Connect the iPad to charging cart.

[Remark] It's advised to reduce the iPad screen brightness to half or less before synchronization.

[Remark] If the iPad is the newly bought product, it's advised to complete charging before synchronization.



7.1.4 Switch to synchronization mode

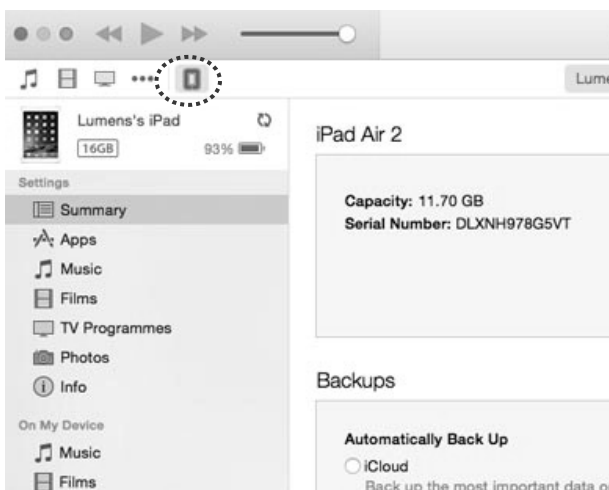
[Remark] The charging cart provides real-time status inquiry. It will indicate whether the tablet is in charging mode (when the charging indicator is on, the indicator lights red) or in synchronization mode (When the Sync indicator is on, red and green indicators alternately flicker) by different colors of LED indicator.



- Click [CH1], [CH2], [CH3], and switch to synchronization mode .

7.1.5 Set the iPad

- Start the iTunes in the laptop (if the iTunes is not automatically started).
- Click , select one of the connected iPads in the menu. If there is only one iPad connected, click  and open the equipment content.



- c. The iPad registration page will pop up. Set up Apple ID following the instructions on the screen and name the iPad.
- [Remark]** If iPad registration has been completed, step c can be skipped.
- d. Click **[Summary]**, scroll down to **[Option]** item, check **[Open iTunes when this iPad is connected]** and **[Sync only checked songs and videos]**.
 - e. Cancel the **[Manually manage music and videos]**.




- f. Click each page (Apps, Music, Movies, TV shows, Books, Photos) on the top side of the iTunes, and then select the files to be synchronized, and next click **[Apply]**.
- g. Please repeat **b-f** steps on each iPad to complete the registration and setup of iPad.

7.2 Synchronize the iPad


7.2.1 Connecting devices:

- Connect the iPad to charging cart.
- Use the USB cable attached to the charging cart to connect the laptop and charging cart.



7.2.2 Use iTunes to synchronize:

- Press the  button on the charging cart to switch to synchronization mode.
- If **7.1 Setup before use** has been completed, the iTunes on laptop will automatically be activated and synchronized. If not, please double click the iTunes to activate.

[Note] The time for synchronization differs depending on the number of iPads and the content to be synchronized. Therefore, do not interrupt the synchronization.


[Remark] Click  on the top of iTunes, to switch the iPad and understand its synchronization status.

7.2.3 Completion of synchronization:

- After the synchronization is completed, each iPad will display . Then press  or close iTunes to safely remove the device.
- After the synchronization is completed, remove the USB cable on laptop, and switch the button on the panel to charging mode to start charging.

7.3 iOS update instructions

[Note] According to the design of iTunes software function, iOS update can be done for one iPad each time.

- Connect the iPad to charging cart.
- Use the USB cable attached to the charging cart to connect the laptop and charging cart.
- Press the  button on the charging cart to switch to synchronization mode.

- At this time, iTunes on laptop will be activated automatically, if not, please double click iTunes to activate.
- Select one iPad in the **[Device list]** on the left side of the screen.
[Note] When using iTunes to update manually or automatically, please ensure the battery of the iPad is more than 50%, to avoid the interruption of operation due to insufficient power caused by too large update files or lengthy update.
- Click the **[Update]**, and proceed to the next step following the instructions on the screen.
- When one unit is completed, proceed with the update for the next iPad till all updates are completed. The duration of update differs depending on the size of iOS files.

Chapter 8 Troubleshooting

No.	Problems	Solutions
1	Abnormal voltage caused outage of charging cart	AC IN / AC OUT are installed with the overload protection and the external AC breaker respectively to automatically turn the power off to protect the machine when the flow of electrical current is abnormal. Press the switch again to restart the power
2	When there are up to 48 sets of equipment, the data cannot be synchronized	Due to limited functions of some synchronization software, computer, or laptop, the data synchronization for 48 tablets may not be synchronized simultaneously. Please synchronize data separately for CH1/CH2/CH3
3	Charging failed, poor charging efficiency or data synchronization failed	<ol style="list-style-type: none">1. Non-authentic charging cable may have defective material and design, leading to the operation failure. Thus, authentic device cable is required2. Poor contact of charging cable or improper insertion of charged objects may cause the operation failure. Please unplug and reconnect the charging cable
4	Startup failure	<ol style="list-style-type: none">1. Confirm the connection of power cord is secure2. Restart the External AC breaker and overload protection